

AMENDMENTS TO THE CLAIMS

Please enter the follow amendments to the claims:

1-32 (Canceled)

33. (Currently Amended) The apparatus according to claim ~~32~~37, wherein the tilt switch is in an off position when the housing is inverted from an operational position.

34. (Currently Amended) The apparatus according to claim ~~32~~37, wherein the processor has a wave filter timer that turns on for a selected interval when the processor detects low water, and wherein the processor is adapted to delay the transmitter from sending the low water signal until the end of the selected interval and adapted to cause the transmitter to send the low water signal at the end of the selected interval only if the processor detects low water during substantially the entire selected interval.

35. (Currently Amended) The apparatus according to claim 32~~37~~, wherein a power input of the transmitter is connected to an output of the processor so that the transmitter is supplied with power momentarily during each duty cycle of the processor when the processor directs the transmitter to send the low water signal.

36. (Currently Amended) The apparatus according to claim 32~~37~~, wherein the power source is a battery, the apparatus further comprising a low battery voltage detector in the housing, the low battery voltage detector being connected to the processor for informing the processor if low battery voltage is detected, the processor adapted to delay the transmitter from sending the low battery voltage indication until the processor detects low water and adapted to encode the low battery voltage indication into the low water signal when sent by the transmitter.

37. (Currently Amended) ~~The apparatus according to claim 32,~~ An apparatus for controlling water level in a pool, the apparatus comprising:

- _____ a water level sensor adapted to be immersed in the pool water;
- _____ a processor positioned within a housing and electrically connected with the sensor to detect low water in the pool;
- _____ a wireless transmitter electrically connected with the processor for sending a low water signal if the processor detects the low water;
- _____ a power source for powering the processor;
- _____ a tilt switch connected between the power source and the processor for supplying power to the processor while in an on position, the tilt switch enclosed within the housing and movable between the on and off position by tilting the housing;
- _____ a remote wireless receiver for receiving the signal from the transmitter and turning on a valve to add water to the pool; and

wherein the receiver has an overflow counter that turns on for a selected interval when the receiver receives one of the low water signals from the transmitter, the overflow counter causing the valve to remain on until the overflow counter reaches a selected count, and wherein the receiver is adapted to reset the overflow counter prior to reaching the selected count each time that the receiver receives a subsequent low water signal from the transmitter.

38. (Previously presented) An apparatus for controlling water level in a pool, the apparatus comprising:

- a water level sensor adapted to be immersed in the pool;
- a processor electrically connected with the sensor to detect a preprogrammed low water in the pool;
- a wireless transmitter electrically connected with the processor for sending a digitally encoded low water signal;
- a housing containing the processor and the transmitter;
- a power source for powering the processor and the transmitter;
- a remote receiver for receiving the signal from the transmitter and turning on a valve to add water to the pool;
- a wave filter timer within the processor that turns on for a selected interval when the processor detects low water; and
- the processor further has means for delaying the transmitter from sending the low water signal until the end of the selected interval and for causing the transmitter to send the low water signal at the end of the selected interval only if the processor continuously detects low water during the entire selected interval; and
- wherein the low water signal sent by the transmitter is a momentary signal.

39. (Currently Amended) The apparatus according to claim 3841, wherein a power input of the transmitter is connected to an output of the processor so that the transmitter is supplied with power only when the processor directs the transmitter to send the low water signal.

40. (Currently Amended) The apparatus according to claim 3841, wherein the power source is a battery, the apparatus further comprising a low battery voltage detector in the housing, the low battery voltage detector being connected to the processor for informing the processor if low battery voltage is detected, the processor adapted to delay the transmitter from sending the low battery voltage indication until the processor detects low water and adapted to encode the low battery voltage indication into the digitally encoded low water signal being sent by the transmitter.

41. (Currently Amended) ~~The apparatus according to claim 38;~~ An apparatus for controlling water level in a pool, the apparatus comprising:

- a water level sensor adapted to be immersed in the pool;
- a processor electrically connected with the sensor to detect a preprogrammed low water in the pool;
- a wireless transmitter electrically connected with the processor for sending a digitally encoded low water signal;
- a housing containing the processor and the transmitter;
- a power source for powering the processor and the transmitter;
- a remote receiver for receiving the signal from the transmitter and turning on a valve to add water to the pool;
- a wave filter timer within the processor that turns on for a selected interval when the processor detects low water;
- the processor further has means for delaying the transmitter from sending the low water signal until the end of the selected interval and for causing the transmitter to send the low water signal at the end of the selected interval only if the processor continuously detects low water during the entire selected interval;
- wherein the low water signal sent by the transmitter is a momentary signal; and.

wherein the receiver has an overflow counter that turns on for a selected interval when the receiver receives one of the low water signals from the transmitter, the overflow counter adapted to cause the valve to remain on until the overflow counter reaches a selected count, and wherein the receiver has means for resetting the overflow counter prior to reaching the selected count each time that the receiver receives subsequent low water signals from the transmitter.

In re Application of:
J. Clifton Gibson, et al.

Serial No. 10/823,184

42.- 56 (Cancelled)